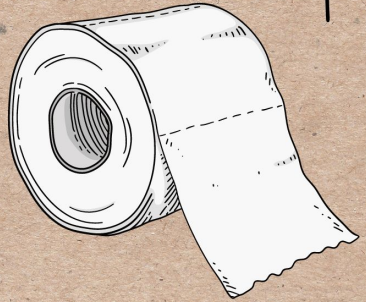


TOILET PAPER TIMELINE



Geological Time Scale will give students an idea of the extent of geological time and the key events that happened mainly in the past 600 million years.

Materials Need: 1 roll of toilet paper (200 sheets), labels from slides 2-4 printed and cut out

Procedure:

- In an open area, roll out the 200 sheets of toilet paper, explain to students that this will represent all the time that the Earth has been around. One end is the moment the Earth was formed, and the other is right now.
- Pass out labels and allow students to work together to determine where those events fall in Earth's timeline. Provide no other guidance (no scale, no years)
- After students are finished, start at the beginning of the timeline and discuss their findings and provide clarity. Use the teacher key on slide 4 to put the labels at the appropriate spot on the toilet paper. Allow time to discuss and share their thoughts.

Today! The future begins here.



First evidence of humans



Himalayan Mountains formed



Dinosaurs became extinct



Supercontinent of Pangaea
assembled



Early land plants first
appeared



Build up of oxygen in Earth's
atmosphere



Early bacteria and algae first
appeared



Oldest known Earth Rocks



Origin of the Earth-geological
time begins here



Cambrian explosion -
rapid expansion of different
forms of life



Early multi-celled organisms
first appeared



First dinosaurs appeared



Christopher Columbus
“discovered” the Americas



Egyptian pyramids are built



Geological Time Scale Teacher Key

Origin of the Earth- geological time begins here	4,567,000,000 years ago	At the top of 1st square
Oldest known Earth rocks	4,000,000,000 years ago	26th square
Early bacteria and algae first appeared	3,500,000,000 years ago	48th square
Build up of oxygen in Earth's atmosphere	2,700,000,000 years ago	83rd square
Early multi-celled organisms first appeared	2,000,000,000 years ago	113rd square
Cambrian explosion	545,000,000 years ago	176th square
Early land plants first appeared	430,000,000 years ago	181st square
Supercontinent of Pangaea assembled	300,000,000 years ago	187th square
First dinosaurs appeared	230,000,000 years ago	190th square
Dinosaurs became extinct	65,000,000 years ago	197th square
Himalayan Mountains formed	50,000,000 years ago	198th square
First evidence of modern humans	3,300,000 years ago	198 ½ square
Egyptian pyramids are built	5,000 years ago	Very close to the bottom of last
Christopher Columbus "discovered" the Americas	500 years ago	Even closer to bottom of last
Today! The future begins here.	now	At the bottom of the last square